Fisheries Research, 14 (1992) 345–346
Elsevier Science Publishers B.V., Amsterdam

Contents of *Fisheries Research*, Volume 14

VOL. 14 NO. 1 JUNE 1992

The Klíčava Reservoir, Czechoslovakia: a 30 year study of the fish community
K. Pivnička (Prague, Czechoslovakia) 1
The importance of chemical stimuli in bait fishing – fishing trials with presoaked bait
S. Løkkeborg (Bergen, Norway) and T. Johannessen (His, Norway) 21
Sledges for daytime sampling of juvenile penaeid shrimp
C.T. Turnbull and R.A. Watson (Cairns, Qld., Australia) 31
Use of a spatial model to provide initial estimates of stock size for a purse seine fishery on pilchards (*Sardinops sagax neopilchardus*) in Western Australia
W.J. Fletcher (North Beach, W.A., Australia) 41
Implications of structural adjustment for Ghana's marine fisheries policy
H.K. Acquay (Ithaca, NY, USA) 59
Fisheries of Lake Manzalah
N.F. Bishara (Alexandria, Egypt) 71

Short Communication
Age and growth of the carp *Catla catla* (Hamilton, 1822) from northern India
M.S. Johal and K.K. Tandon (Chandigarh, India) 83

VOL. 14 NOS. 2–3 AUGUST 1992

Special Issue: Fisheries Acoustics

Dedication Speech
Hydroacoustics as a tool in fisheries research —"where are we and what are the future expectations?"
O.A. Mathisen (Juneau, AK, USA) 91

Successes and failures of fisheries acoustics — an international, federal, and regional point of view
G.L. Thomas (Cordova, AK, USA) 95
A review of problems and new directions in the application of fisheries acoustics on the Canadian East Coast
G.A. Rose (St. John's, Nfld., Canada) 105
Successes and failures of fisheries acoustics in the management of United States East Coast marine fisheries
B.E. Brown (Miami, FL, USA), W.R. Seidel (Pascagoula, MS, USA) and T. Azarovitz (Woods Hole, MA, USA) 129
Current status of training and education in fisheries acoustics
R.E. Thorne (Seattle, WA, USA) 135
Successes and failures of fisheries acoustics in developing countries
S.C. Venema (Rome, Italy) 143

The benefits and costs of the management program for natural sockeye salmon stocks in Bristol Bay, Alaska
D.M. Eggers (Juneau, AK, USA) 159
Acoustics as a tool for the assessment of Great Lakes forage fishes
R.L. Argyle (Ann Arbor, MI, USA) 179
A comparison of four duration-in-beam estimators for the sine of the half-angle of the effective conical volume sampled
R.N. Crittenden (Burnaby, B.C., Canada) and G.L. Thomas (Cordova, AK, USA) 197
Application of hydroacoustic technology to marine fishery management in Washington State
M.G. Pedersen and J.F. Boettner (Seattle, WA, USA) 209
Hydroacoustic studies for developing a smolt bypass system at Wells Dam
G.E. Johnson, C.M. Sullivan (Seattle, WA, USA) and M.W. Erho (East Wenatchee, WA, USA) 221
Successes and failures of acoustics in the measurement of environmental impacts
P.M. Washington, D.A. Marino (Seattle, WA, USA) and G.L. Thomas (Cordova, AK, USA) 239

VOL. 14 NO. 4 SEPTEMBER 1992

Some elements on vertical avoidance of fish schools to a vessel during acoustic surveys
F. Gerlotto and P. Fréon (Montpellier, France) 251
Mechanical properties of a rectangular purse seine in ideal conditions
T. Machii (Shimonoseki, Japan) and Y. Nose (Tokyo, Japan) 261
The thread-herrings *Opisthonema* spp. off Ecuador: review and population dynamics
K.R. Patterson (London, UK) and M. Santos (Guayaquil, Ecuador) 273
Acceptability of territorial use rights in fisheries: towards community-based management of small-scale fisheries in the Phillipines
S.V. Siar, R.F. Agbayani (Iloilo, Philippines) and J.B. Valera (Laguna, Philippines) 295
Optimization of purse seines by large-meshed sections and low lead weight. Theoretical considerations, sinking speed measurements and fishing trials
O.A. Misund, W. Dickson and A.K. Beltestad (Bergen, Norway) 305
Predictable swimming behaviour of schools in purse seine capture situations
O.A. Misund (Bergen, Norway) 319

Short Communications

Characterisation of shark liver oils
I. Batista and M.L. Nunes (Lisboa, Portugal) 329
Relationship between mercury concentration and length, weight and sex of two sprinid fish, *Catla catla* and *Chela chanius*, from Rawal Lake, Pakistan
J. Tariq, M. Jaffar and M. Ashraf (Islamabad, Pakistan) 335

Author Index 343